



25003537



EXAMINATIONS COUNCIL OF ZAMBIA

Examination for School Certificate Ordinary Level

Geography

2218/1

Paper 1

Monday

22 NOVEMBER 2021

1:50 000 Survey Map is enclosed with this question paper

Additional materials:

Multiple Choice answer card

Soft pencil (type B or HB is recommended)

Time 1 hour 30 minutes

Marks: 50

Instructions to Candidates

1. Ensure that the **centre number** and your **examination number** have been correctly printed on the **Answer Card** provided.
2. There are **fifty** questions in this paper. Answer **all** the questions. For each question, there are **four** possible answers, **A, B, C** and **D**. Choose the **one** you consider correct and shade your choice in clear pencil on the separate Answer Card.
3. Read the instructions on the answer card very carefully.

Information for Candidates

1. Each correct answer will score **one** mark. A mark will **not** be deducted for any wrong answer.
2. Cell phones, calculators and other electronic devices are **not allowed** in the examination room.

SECTION A: MAP WORK AND BASIC TECHNIQUES

Questions 1 to 12 are based on the 1:50 000 map extract of Kildonan (Zimbabwe).

- 1 What man-made feature is found in grid reference **375695**?
 - A Dip tank
 - B Mine dump
 - C Factory
 - D Road

- 2 The general height above the sea level of the land in grid square **3570** is ...
 - A 1,300m.
 - B 1,280m.
 - C 1,260m.
 - D 1,240m.

- 3 The vertical interval used on the map for Kildonan is ...
 - A 80m.
 - B 60m.
 - C 40m.
 - D 20m.

- 4 Find the distance along the railway line from the southern edge of the map up to the bridge in grid square **4265**.
 - A 3.4km
 - B 3.0km
 - C 2.4km
 - D 2.0km

- 5 What type of landform is found on the north eastern part of the map?
 - A A Beach
 - B A Dyke
 - C A Mountain range
 - D An Embankment

- 6 The general flow of the Murembwe River is from ...
 - A north to south.
 - B south-east to north west.
 - C south to north.
 - D south-west to north west.

- 7 Calculate the gradient along the slope from the summit of Muneni Hill in grid square **4264**, to the huts in grid square **3964**.
 - A 1 : 14
 - B 1 : 19
 - C 1 : 24
 - D 1 : 29

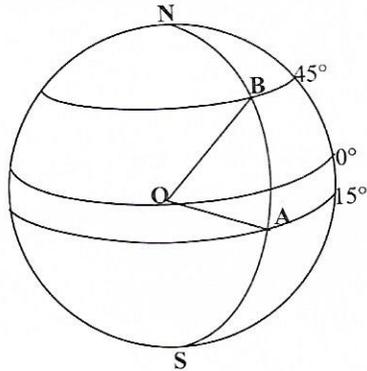
2 0 2 1

- 8 According to map evidence, the main economic activity on the western side of the railway line is ...
- A agriculture.
 - B cattle ranching.
 - C lumbering.
 - D mining.
- 9 The main type of vegetation that grows on the eastern side of the narrow tarred road on the map is ...
- A dense bush.
 - B medium bush.
 - C sparse bush.
 - D plantation.
- 10 What physical feature is found along Mukwadzi River at grid reference **439720**?
- A Confluence
 - B Delta
 - C Ox-bow lake
 - D Rapids
- 11 In which of the following grid squares is Orchard farming practised?
- A 3772
 - B 3872
 - C 3972
 - D 4072
- 12 Grid square **4475** has the highest concentration of an urban settlement due to the presence of ...
- A agriculture activities.
 - B lumbering.
 - C railway transport.
 - D valley.

<https://downloads.gidemy.com>

SECTION B: ELEMENTS OF PHYSICAL GEOGRAPHY

Study the following diagram and answer question 13.

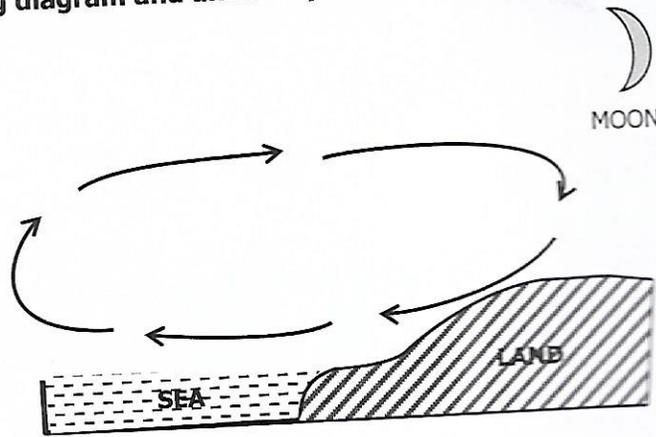


- 13 What is the difference in latitude between points A and B?
- A 15°
 - B 30°
 - C 45°
 - D 60°
- 14 Find the latitude for town Y in the Northern Hemisphere whose angle of elevation is 46° on 21st March?
- A 0°
 - B 25°
 - C 44°
 - D 67°
- $$15 \times 3 = 45$$

$$45 + 1 = 46$$
- 15 Which one of the following planets takes the longest period of time to make one revolution?
- A Earth
 - B Jupiter
 - C Mars
 - D Venus
- 16 Which of the following is **not** an aspect of volcanicity?
- A Batholith
 - B Dyke
 - C Fold
 - D Geyser
- 17 The soils along the river banks in its lower course are fertile mainly because of the ...
- A decomposition of leaves from trees along the banks.
 - B deposition of silt during the flooding of the plain.
 - C droppings of animals that come to drink water.
 - D fishing activities that are done in the lower course.

- 18 The drainage pattern likely to be formed on volcanic mountains is ...
- A confluence.
 - B dendritic.
 - C radial.
 - D trellis.
- 19 Which of the following materials from an eruption of a volcano makes the movement of people in the nearby places difficult?
- A Ash
 - B Composite cone
 - C Lava
 - D Parasitic cone
- 20 Which one of the following river loads is largely responsible for both lateral and vertical corrosion?
- A Material in solution
 - B Materials in suspension
 - C Soil creep
 - D Traction load
- 21 The following are river sources **except**, ...
- A lake.
 - B marsh.
 - C ocean.
 - D spring.
- 22 The major cause of synclines and anticlines is ... force.
- A compression
 - B rotation
 - C tension
 - D verticle
- 23 Dissected plateaux are caused by ... erosion.
- A gully
 - B lateral
 - C sheet
 - D vertical
- 24 At the delta, a river discharges its water through several channels called ...
- A distributaries.
 - B meanders.
 - C streams.
 - D tributaries.

Study the following diagram and answer question 25.



- 25 The diagram above shows ...
- A a cyclone.
 - B a land breeze.
 - C a sea breeze.
 - D an anticyclone.
- 26 A tropical storm which develops in low pressure systems travelling about 800km per hour and is very destructive is called ...
- A anticyclone.
 - B hurricane.
 - C tornado.
 - D typhoon.

Study the following climatic table showing the mean monthly precipitation for Station A and answer question 27.

Month	J	F	M	A	M	J	J	A	S	O	N	D
Temp °C	33	31	29	27	26	26	27	30	32	33	34	35
Rainfall mm	38	15	15	20	0	0	0	0	0	8	18	36

27 What is the mean annual rainfall for Station A above?

- A 15mm
- B 25mm
- C 12.5mm
- D 13.5mm

Handwritten calculations for question 27:

$$15 \times 12 = 180$$

$$12.5 \times 12 = 150$$

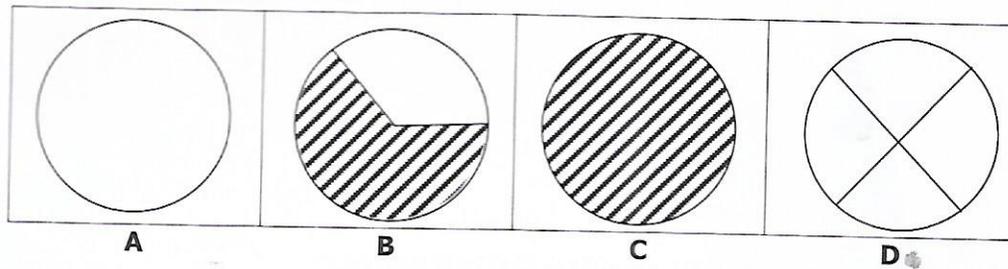
$$13.5 \times 12 = 162$$

$$150 + 162 = 312$$

$$312 \div 12 = 26$$

26

- 28 Which one of the following representation of cloud cover is a typical characteristic of the hot deserts?

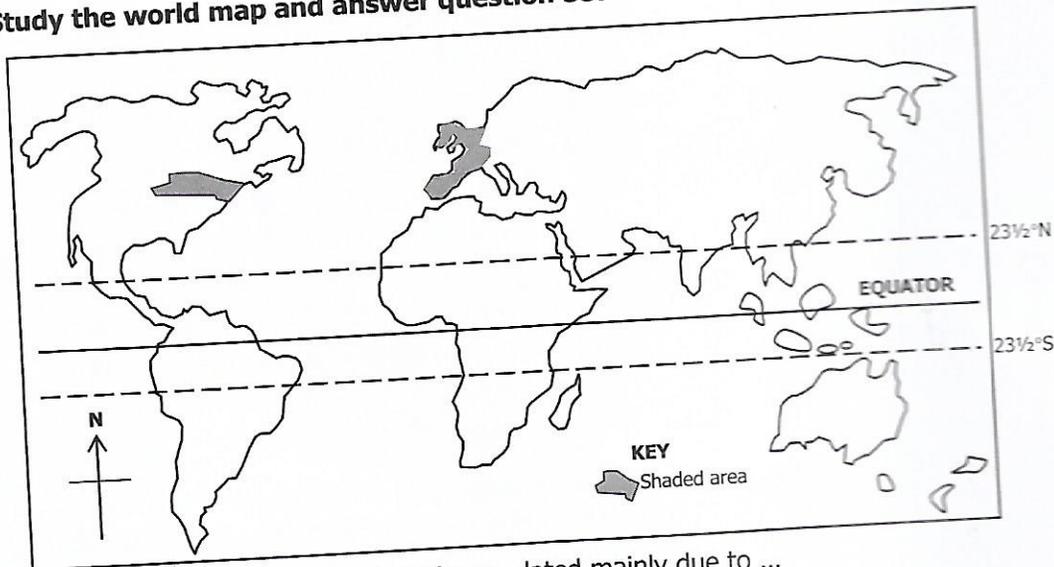


- 29 The most distinctive feature of the hot, wet equatorial climate is its ...
- A large annual range of temperature.
 - B heavy summer rainfall.
 - C double maxima of rainfall coinciding with equinoxes.
 - D distinct dry and wet seasons.
- 30 Which one of the following climatic regions is likely to have wiry grass?
- A Equatorial
 - B Hot desert
 - C Mediterranean
 - D Savanna
- 31 Lumbering in the Savannah regions has been negatively affected largely due to ...
- A increase in deforestation.
 - B lack of government's policies.
 - C lack of proper machinery.
 - D scattered tree species of the same type.
- 32 The following tree species are all found in the Savannah region **except**, ...
- A Acacia.
 - B Baobab.
 - C Meranti.
 - D Mulga.

SECTION C: ELEMENTS OF WORLD HUMAN GEOGRAPHY

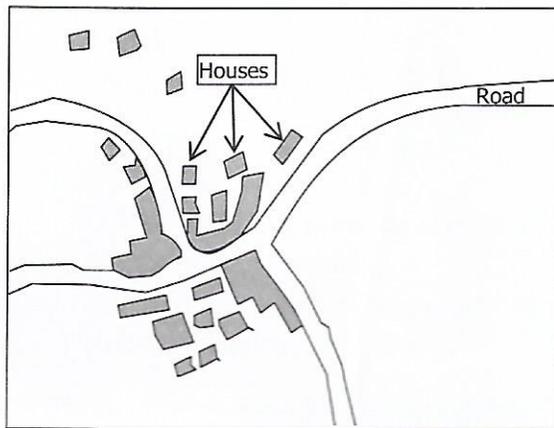
- 33 The population density of a country depends on the ...
- A birth rate and death rate.
 - B rate of population increase.
 - C size of the territory and the size of population.
 - D standard of living and urbanisation.
- 34 Which one of the following countries is the **least** populated?
- A Britain
 - B Colombia
 - C Egypt
 - D Sweden

Study the world map and answer question 35.



- 35 The shaded areas are densely populated mainly due to ...
- A agriculture.
 - B fishing.
 - C mining.
 - D industrialisation.
- 36 The most and critical challenge in over populated areas is ...
- A food shortages.
 - B lack of accommodation.
 - C lack of clothing.
 - D poor road network.

Study the following diagram and answer question 37.



- 37 Which one of the following settlement patterns is depicted in the diagram?
- A Dispersed
 - B Isolated
 - C Linear
 - D Nucleated
- 38 What name is given to centres of commerce and finance where trade is the primary concern?
- A Banking towns
 - B Commercial towns
 - C Financial towns
 - D Market towns
- 39 Which one of the following is the greatest producer of rice in the world?
- A China
 - B India
 - C Indonesia
 - D Thailand

Study the following characteristics of farming and answer question 40.

X, Y and Z are characteristics of three different farming types.

X – practised in densely populated countries also known as oriental farming.

Y – farms are highly mechanised and farming is done on a large.

Z – abandoning of exhausted fields to clear new ones after a few years.

40 Which one of the following best describes the farming type mentioned in the passage?

	Shifting cultivation	Intensive farming	Extensive Farming
A	Y	X	Z
B	X	Y	Z
C	Z	X	Y
D	Z	Y	X

- 41 Which type of farming tends to result into low yield per hectare but high yield per individual?
- A Extensive mechanised farming
 - B Intensive subsistence farming
 - C Plantation farming
 - D Shifting cultivation *
- 42 Soil erosion may **not** be prevented by ...
- A contour ploughing. ✓
 - B planting trees. ✓
 - C ploughing grasslands. °
 - D terracing farmland. ✓
- 43 Which one of the following countries is the world's largest consumer of wheat?
- A Britain
 - B Canada
 - C Egypt *
 - D South Africa

Study the following growing conditions and answer question 44.

- (i) It is cultivated extensively from 35° North to 25° South.
 - (ii) Summer temperatures of 21°C.
 - (iii) Rainfall of about 1,000mm with 200 frost free days.
 - (iv) Best harvested during bright sunny days.
- 44 Which of the following crops requires the stated growing conditions?
- A Cassava
 - B Cocoa
 - C Coffee
 - D Cotton *
- 45 The rearing of cattle mainly for beef production is known as ...
- A dairying. *
 - B horticulture.
 - C ranching.
 - D poultry.
- 46 Thermal electricity refers to power ...
- A contained in batteries.
 - B made from running water. †
 - C made from solar radiation.
 - D made from natural gas.

- 47 Which of the following is referred to as a 'clean coal'?
- A Geothermal energy .
 - B Hydro energy
 - C Solar energy
 - D Wind energy
- 48 Which of the following is **not** among the major factors that have promoted coal mining in South Africa? The ...
- A bulk of the coal is exported to earn forex.
 - B coal lies near the surface.
 - C coal is mostly mined by open cast method. .
 - D coal occurs in very thick layers.
- 49 Which one of the following countries has the **least** potential in the production of hydro electricity?
- A France
 - B Germany
 - C Japan
 - D Poland *
- 50 Which one of the following is mined in connection with petroleum?
- A Asphalt *
 - B Ethane
 - C Methane
 - D Kerosene

